

# PM412

**Enviro TurboLife**  
SAE 15W40  
API CK-4, CJ-4, SN ACEA E9

## High-Performance Severe Duty Fleet Oil

**PM412 EnviroTurboLife 15W40** is the latest generation, high-performance diesel engine oil formulated with the addition of synthetic technology delivering longer useable life in a lubricant that, increasingly, is faced with new engine technologies capable of producing increased torque with higher temperatures and pressures in train. **PM412** is suitable for high-speed 4-stroke diesel engines fitted with cooled EGR that use diesel fuels up to 500ppm sulphur, while also compatible with the latest exhaust after-treatment systems such as DPF, DOC and or SCR when diesel sulphur is maximised at 15ppm.

PM Lubrication's **XPR Xtra Protection Reserve**, engineered into this formulation, with its increased shear stability, advanced combative strengths in dealing with oxidation and deposits, the neutralizing effects on acids, the heightened capacity with oil aeration, and other advances, permits extended drain intervals as it meets and exceeds every international specification for top performance and long service life. Given the universal application of this lubricant and its widespread use across industries, in meeting and exceeding OEM's requirements, it provides users of **PM412** with the confidence they seek.

Actual drain intervals can vary with factors such as engine type, build dates/designs, and duty cycles, and, coupled with fuel burn necessitating the need for PM on-site electronic, diagnostic monitoring or utilizing the PM oil analysis measures in place to achieve optimum drain intervals, PM Lubrication recognises the need to increase ROI and works closely with depth-media filtration providers to extend the useful life and reliability of the lubricant and component life without compromising performance.

Modern engine design involving lower tolerances has seen reduced oil consumption, which in turn has influenced unused oil/additive replenishment rates, resulting in more stress upon the lubricant. Pistons have also undergone changes resulting in the lubricant's closer proximity to higher combustion temperatures and oxidation rates. Despite these design changes **PM412** provides robust protection against increased oxidation rates and viscosity thickening, soot-induced thickening, valve train wear, and ring and liner wear.

### Typical Properties:

<b>SAE Viscosity</b>	15W40
<b>Kinematic Viscosity</b>	
Viscosity @ 40°C	110 cSt
Viscosity @ 100°C	15 cSt
TBN	9.9
Pour Point °C	-39
Flash Point °C	226
Colour	Red
V.I.	138
Ash, Sulphated	0.99%
Density @ 15°C kg/L	0.888

### Exceeds Service Classifications:

- API CK-4; CJ-4; SN
- ACEA E9
- Caterpillar ECF-3
- Cummins CES 20086
- Detroit Diesel DFS922K222
- Deutz DQC III.10LA
- Ford WSS-W2C171-F1
- Mack EOS-4.5
- Mercedes Benz 228.31; V2016.1
- MAN 3275; M3575, M3775
- MTU Type 2.1
- Renault Truck RLD-4
- Volvo VDS 4.5

### Benefits:

- Reduces Friction
- Exceptional Cleanliness
- Lower Wear Rates
- Extended Drain Periods
- Prolonged Service Life
- Resists Viscosity Thickening

**PM412 is an excellent  
fleet engine oil.**

### Why PM Lubrication?

**Guaranteed Cost Effective Lubrication is achieved by adopting premium quality lubricants and micro-filtration which significantly extend lubricant and component life.**

**Available in 1,000L, 205L, 20L, 5L Containers**

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